

2128

PATENT  
Docket No. GDN.P0088

**CERTIFICATE OF MAILING BY "FIRST CLASS MAIL"**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:  
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on February 17, 2004.

*[Signature]*  
Mani Adeli

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In the application of:

Jerome D. Lescot

Serial No.: 09/905,090

Filing Date: 7/12/01

For: APPARATUS FOR MODELING IC  
SUBSTRATE NOISE UTILIZING  
IMPROVED DOPING PROFILE  
ACCESS KEY

#5

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FEB 25 2004  
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**TRANSMITTAL LETTER**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed you will find the following documents:

1. Revocation of Power of Attorney and Power of Attorney
2. Statement under 37 CFR 3.73 (b)
3. Copy of an Assignment
4. Copy of Certificate of Merger

Attached is a Revocation of Power of Attorney and Power of Attorney, which appoints  
Stattler Johansen & Adeli LLP as the patent attorneys for this application. Also attached is a

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TC 2100

Statement Under 37 CFR 3.73(b) identifying Cadence Design Systems, Inc. as the assignee of this application. Along with the Statement Under 37 CFR 3.73(b) please find a copy of the Assignment from the inventors J. Lescot and B. Marchland to Simplex Solutions, Inc. and a Certificate of Merger, merging Simplex Solutions, Inc. into Cadence Design Systems, Inc. A copy of the Certificate of Merger is being forwarded concurrently herewith to the Assignment branch for recordation.

Dated: February 17, 2004

Respectfully submitted,

By: \_\_\_\_\_

**Mani Adeli**

Registration No. 39,585

Stattler, Johansen & Adeli LLP  
P.O. Box 51860  
Palo Alto, CA 94303-0728

Phone No. (650) 752-0990 x102  
Fax No. (650) 752-0995



made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Please address all correspondence and telephone calls to:

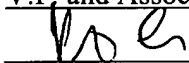
MANI ADELI, ESQ.  
STATTLER JOHANSEN & ADELI LLP  
P.O. Box 51860  
Palo Alto, California 94303-0728

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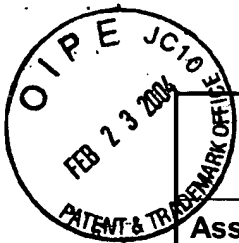
Assignee: Cadence Design Systems, Inc.

Name: Peter Chen

Title: V.P. and Associate G.C.

Signature: 

Date: Jul 9, 2003



**STATEMENT UNDER 37 CFR 3.73(b)**

<b>Assignee:</b>	Cadence Design Systems, Inc.
<b>Application Number:</b>	09/905,090
<b>Filing Date:</b>	07/12/2001
<b>Title:</b>	Apparatus for Modeling IC Substrate Noise Utilizing Improved Doping Profile Access Key

Cadence Design Systems, Inc., a corporation, states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by, percentage) of its ownership interest is \_\_\_\_\_%

in the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above.  
The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

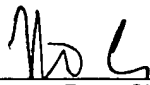
1. From: Lescot and Marchand To: Simplex Solutions, Inc.  
A copy of an assignment from F. Clement to Snaketech, Inc. is attached. The assignment was previously recorded at Reel/Frame: 011993/0313.
2. From: Simplex Solutions, Inc. To: Cadence Design Systems, Inc.  
A copy of a Certificate of Merger, merging Simplex Solutions, Inc. into Cadence Design Systems, Inc. is attached.

- ☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

July 9, 2003  
Date

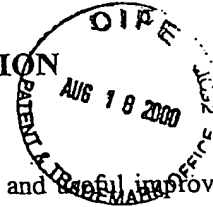
  
Name: Peter Chen  
Title: V.P. and Associate General Counsel  
Telephone: (408) 944-6985

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ASSIGNMENT OF PATENT APPLICATION  
(Not Accompanying Application)



Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

**IC SUBSTRATE NOISE MODELING UTILIZING IMPROVED DOPING PROFILE ACCESS KEY**

for which I (we) have executed an application for a United States Letters Patent which was filed in the U.S. Patent and Trademark Office on March 27, 2000, and which bears the Application No. 09/536,206.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We the undersigned inventor(s) hereby:

- 1) Sell(s), assign(s) and transfer(s) to Simplex Solutions, Inc., a California corporation having a place of business at 521 Almanor Avenue, Sunnyvale, CA 94086, (hereinafter referred to as ("ASSIGNEE")), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative and applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract or understanding that conflicts with this assignment.

Signed on the date(s) indicated beside my (our) signature(s).

1) Signature: \_\_\_\_\_

Typed Name: Jérôme D. Lescot

2) Signature: \_\_\_\_\_

Typed Name: Bertrand L. Marchand

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Date: July 27, 2004

Date: July 22, 2004

# Delaware

PAGE 1

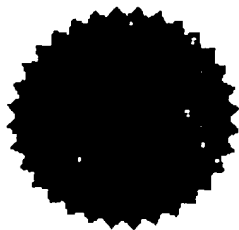
*The First State*

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"SIMPLEX SOLUTIONS, INC.", A DELAWARE CORPORATION,

WITH AND INTO "CADENCE DESIGN SYSTEMS, INC." UNDER THE NAME OF "CADENCE DESIGN SYSTEMS, INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE THIRTIETH DAY OF SEPTEMBER, A.D. 2002, AT 3 O'CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



*Harriet Smith Windsor*

Harriet Smith Windsor, Secretary of State

2122896 8100M

020606417

AUTHENTICATION: 2012336

DATE: 10-01-02

**CERTIFICATE OF OWNERSHIP  
MERGING  
SIMPLEX SOLUTIONS, INC.  
(a Delaware corporation)  
WITH AND INTO  
CADENCE DESIGN SYSTEMS, INC.  
(a Delaware corporation)**

**PURSUANT TO SECTION 253 OF THE  
GENERAL CORPORATION LAW OF DELAWARE**

Cadence Design Systems, Inc., a corporation incorporated on April 8, 1987 pursuant to the provisions of the General Corporation Law of the State of Delaware (the "Corporation"), does hereby certify the following:

**FIRST:** That, as of the date hereof, this Corporation (the "Surviving Corporation") owns all (100%) of the outstanding capital stock of Simplex Solutions, Inc. ("Simplex"), a corporation incorporated under the laws of the State of Delaware.

**SECOND:** That this Corporation, by a resolution of its Board of Directors duly adopted on the 21<sup>st</sup> day of September, 2002, determined to and, subject to the conditions set forth in such resolutions, does merge Simplex into itself, to be effective upon the filing of this Certificate with the Delaware Secretary of State (the "Merger"):

**APPROVAL AND AUTHORIZATION OF MERGER WITH SIMPLEX  
SOLUTIONS, INC.**

WHEREAS, Simplex Solutions, Inc. ("Simplex"), a Delaware corporation, is a 100% wholly-owned subsidiary of the Corporation;

WHEREAS, it is proposed that the ownership and operation of the Corporation and Simplex be consolidated; and

WHEREAS, to effect such consolidation, it is deemed in the best interests of the Corporation to merge Simplex, with and into the Corporation (the "Merger") and pursuant to which: (i) effective upon filing of the Certificate of Ownership with the Delaware Secretary of State, Simplex would merge with and into the Corporation with the Corporation continuing its corporate existence as the surviving corporation of the merger; (ii) Simplex would cease to exist as a separate corporation; (iii) each outstanding share of capital stock of Simplex would automatically be canceled; (iv) all assets of Simplex would be transferred to and vested in the Corporation by operation of law and (v) all debts and liabilities of Simplex would be assigned to and assumed by the Corporation by operation of law.

NOW, THEREFORE, BE IT RESOLVED, that the Merger is hereby approved and authorized;



RESOLVED FURTHER, that each officer of the Corporation, acting alone or in concert, is hereby authorized and directed, in the name and on behalf of the Corporation, to take such action as necessary to carry the Merger into effect and cancel the shares of outstanding capital stock of Simplex;

RESOLVED FURTHER, that each officer of the Corporation acting alone or in concert, is hereby authorized and directed, in the name and on behalf of the Corporation, to prepare, execute and deliver or file such other documents and to take such further actions, including without limitation the preparation, execution and filing of a certificate of ownership with the Delaware Secretary of State, as such officer may deem necessary or proper in order to consummate the Merger, such necessity or propriety to be conclusively evidenced by such officer's execution, delivery or filing of such documents or taking of such actions;

RESOLVED FURTHER, that any officer of the Corporation, acting alone or in concert, is hereby authorized and directed, in the name and on behalf of the Corporation, to prepare, execute and deliver such documents and to take such actions as such officer may deem necessary or proper in order to obtain any required contractual consents to the Merger from third parties, such necessity or propriety to be conclusively evidenced by such officer's execution or delivery of such documents or taking of such actions;

RESOLVED FURTHER, that any officer of the Corporation, and each of them severally, is hereby authorized to take from time to time any and all such action and to execute and deliver from time to time any and all further papers, instruments, requests, receipts, applications, reports, certificates and other documents as may be deemed necessary or advisable in the opinion of any such officer to effectuate and consummate the Merger and any other transactions contemplated thereby;

RESOLVED FURTHER, that the foregoing resolutions shall also serve as evidence of the Corporation's authorization and approval of the Merger acting as the sole stockholder of Simplex.


THIRD: No other approvals of the Merger are required under Delaware law.

[Remainder of page intentionally left blank.]

IN WITNESS WHEREOF, the undersigned has executed and subscribed to this Certificate of Ownership on behalf of Cadence Design Systems, Inc. as its authorized officer and hereby affirms, under the penalties of perjury, that this Certificate of Ownership is the act and deed of such corporation and that the facts stated herein are true.

DATED: September 21, 2002

CADENCE DESIGN SYSTEMS, INC.  
a Delaware Corporation

By:   
R.L. Smith McKeithen  
Senior Vice President, General Counsel and  
Secretary